

ABSTRACT

Irregular cross-sectional polyester filaments (which
may be thick and thin type filaments) containing a
5 polyester and having a cross-sectional profile which has
(A) a triangular part having a triangle form; and
(B) a flat projection part connected to an angular
portion of the triangular part and extending therefrom in
a flat form, and which satisfies the requirements (1) and
10 (2):

$$0.7 \leq (L1/L2) \leq 3.0 \quad (1)$$

and

$$3.0 \leq (h2/h1) \leq 10.0 \quad (2)$$

1000996-12401
in which L1 represents a distance between a middle point
15 of a connection line drawn between two intersecting
points of a contour line of the triangular part (A) with
a contour line of the flat projection part (B), and a
projection end point of the flat projection part (B); L2
represents a distance between a middle point of the
20 connection line between the triangular part (A) and the
flat projection part (B), and a middle point of an side
line of the triangular part (A) facing the connection
line; h1 represents a length of the connection line
between the triangular part (A) and the flat projection
25 part (B); and h2 represents a largest width of the
triangular part (A) in the direction at right angles to
the longitudinal direction of the flat projection
part (B), are used to produce a yarn and a fabric.